

# SU DEPARTMENT OF COMPUTER SCIENCE SYLLABUS

## COSC 420 –High-Performance Computing

Description: The course will study principles, practices, and implementations of parallel and distributed computing. It covers three areas of high performance computing: modern computing architectures, algorithm design, and applications and programming. Through this course, students will not only learn fundamental concepts of high performance computing but also gain hands hardware and programming experience in this field.

Prerequisites: Grade of "C" or better in COSC 320

Required Text: None.

Supplemental References:

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